Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims

5   in the application.

Please amend claims 1, 3 – 7, and 9 – 11, inclusive, as follows:

Listing of Claims:

1 (Currently amended).   In a multi-processor computing environment, a method by

10   a first processor for allocating resources for use by a second processor, the method
comprising:

providing a script to the first processor, the first processor being dedicated solely
to the allocation of resources to one or more other processors, the script containing
information related to the resources required by the second processor and when required;

15   parsing the script to determine the resources required by the second processor;
and

dynamically allocating the resources at the time needed by the second processor.

2 (Original).   The method of claim 1 wherein the script further comprises information

20   related to resources required by a third processor; and dynamically allocating the
resources at the time needed by the third processor.

3 (Currently amended).   The method of claim 2, further comprising: 3 further
comprising dedicating the first processor to processing the script.

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4 (Currently amended).   The method of claim 1 wherein the resources are include at
least one of memory and a matrix configuration.

5 (Currently amended).   The method of claim 1 wherein the information in the script

30   is the execution sequence of the program.

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6 (Currently amended).   The method of claim 1 wherein the information in the script is in the amount of buffer memory needed by a program. the program.

7 (Currently amended).   A method by a processor for allocating resources for use by
5 one or more tasks in a multi-processor computing environment, the method comprising:

providing a script to the processor, the first processor being dedicated solely to the allocation of resources to one or more other processors, the script containing a map of sequences that will occur during execution of the one or more tasks;

parsing the script to determine resources required based on the map of sequences;
10 and

allocating the resources immediately prior to execution of the task.

8 (Original).   The method of claim 7 wherein the script is an I/O processor script.

15 9 (Currently amended).   A predictive resource allocation system for a multi-processor computing environment having two or more processors, comprising:

a first processor;

a dedicated second processor dedicated solely to providing resource allocation to the first processor;
20   a script file containing information related to the resources required by the second first processor;

a script engine for running the script file, the dedicated processor in conjunction with the script engine parsing the script to determine the resources required by the second first processor; and
25   the dedicated second processor dynamically allocating the resources at the time they are needed by the first processor.

10 (Currently amended).   The system of claim 9 wherein the script further comprises information related to resources required by a third processor; and the dedicated second
30 processor dynamically allocating the resources at the time they are needed by the third processor.

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11 (Currently amended).   A method by a processor for allocating resources for use by
two or more tasks in a multi-processor computing environment, the method comprising:

    providing a script to ~~the~~ a first processor, the first processor being dedicated
solely to the allocation of resources to one or more other processors, the script containing

5   a map of sequences that will occur during execution of the tasks;

    parsing the script to determine the map of sequences for the tasks and to
determine the resources required by the tasks; and

    allocating the resources to tasks such that resource allocation is synchronized with
when the resources are needed by tasks.

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12 (Original). The method of claim 11 wherein allocating the resources further
comprises dynamically allocating the resources at the time needed by the tasks.

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